design makes objects timeless,
fashion corrupts them,
fools copy them and sell them to ignorants and idiots.
we do projects and work to help light to bring
you true emotion.
the results of our ideas and our projects
are protected by patents
and/or registered models
and/or copyright.

los proyectos hacen los objetos eternos,
las modas los corrompen,
los imbéciles los copian y los venden a los ignorantes y a los idiotas.
nosotros hacemos proyectos y trabajamos
para ayudar a la luz a emocionarle.
los frutos de nuestras ideas y de nuestros proyectos
están protegidos con patentes,
modelos registrados y derechos de autor.

mario nanni

Viabizzuno *progettiamo la luce*

For m

Alvaline

Viabizzuno is the name of the main road of the small village bizzuno located in the province of ravenna, where I was born on the 21 07 1955 at n°17, between the 'casa del popolo' and the local parish church. from here the name of the company founded in nineteen ninety-four represented by a white space intersected by two lines one vertical, well balanced, logical, clean, For m, the other dynamic, irreverent, ironic, Alvaline. separate and yet complementary, just like the two different philosophies behind Viabizzuno two collections. in the intersection between the two lines, UpO, Ufficio progettazione Ombre.

Viabizzuno, calle principal del anejo de bizzuno, provincia de ravenna, donde, el 21 07 1955, nací, en el n°17, entre el ayuntamiento y la parroquia. de aquí nace el nombre de la empresa establecida en el año mil noveciento noventa y cuatro representada por un espacio blanco atravesado por dos líneas, una vertical, rigurosa, limpia, equilibrada, For m, y otra inclinada, irreverente en el espacio, irónica, fuera de los esquemas, Alvaline. distintas pero complementarias, igual que las dos almas representadas por las dos colecciones Viabizzuno. y en el punto en el que se cruzan las dos líneas, el UpO, Ufficio progettazione Ombre.

mn

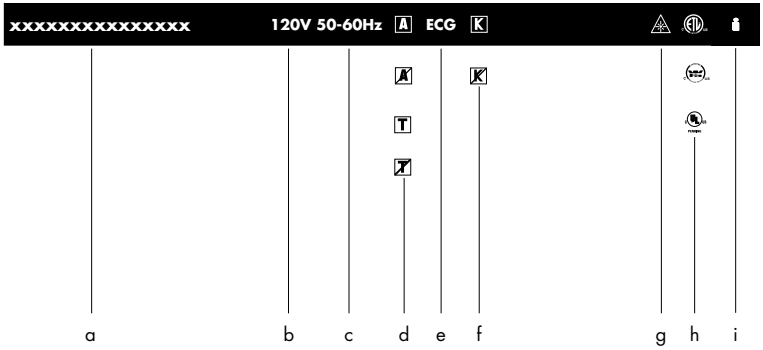
Viabizzuno draws on all its experience, knowledge and research to fully express its own personal way of creating light. this tool is a technical manual, a collection, account and explanation of the two product ranges generated by Viabizzuno's design concept, which takes the form of a white page, always ready to accept and solve a new challenge. two complementary ranges occupy this space, exploring and expanding it; they intersect, confident in their own identity, two kindred spirits represented by the For m and Alvaline collections. two tools that together enable us to design lighting in 360°. the For m and Alvaline manual becomes a single book but with two pathways; in one it is the shape that excites and illuminates, in the other it is the design that generates the light, in one is the irreverent lamp, the object that is alive in both artificial and natural light, in the other is the efficient light fitting that disappears to make way for light alone, two different but complementary product types. the manual is a tool to learn about our light, both the historical and the special, developed and made to measure, which explains how important it is for the design to be stimulating and for the customer to be prepared for a complex design process, which requires both time and commitment.

we design lighting at 360°.

Viabizzuno se rodea de experiencia, conocimientos e investigación para poder dar la mejor expresión posible a su modo de hacer luz. este instrumento es un manual técnico: la recopilación, el relato, la explicación de las dos líneas de producto que nacen del pensamiento proyectual de Viabizzuno que se identifica en una página blanca, siempre lista para aceptar y resolver nuevos desafíos. dos líneas complementarias ocupan ese espacio explorándolo, dilatándolo: se cruzan, seguras de su propia identidad, dos almas representadas por las colecciones For m y Alvaline. dos instrumentos que, unidos, nos permiten proyectar la luz a 360°. el manual For m y Alvaline forma así un único libro, pero con dos recorridos: en uno es la forma la que emociona e ilumina, en otro es el diseño el que genera la luz; en un recorrido tenemos la lámpara irreverente, el objeto que vive tanto en la luz artificial como en la natural; en el otro, el cuerpo iluminante, técnico, que desaparece para dejar espacio únicamente a la luz. dos tipos de producto distintos, pero complementarios. es el instrumento para conocer nuestra luz: la histórica, pero también la especial, desarrollada y creada a medida, que narra lo importante que es que el proyecto sea estimulante y que el interlocutor esté preparado para un proyecto complejo, que requerirá tiempo y esfuerzo.

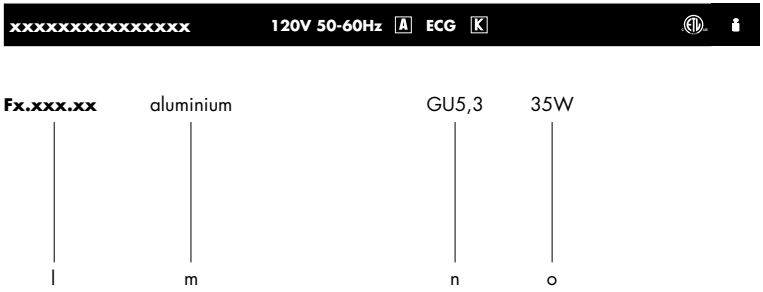
proyectamos la luz a 360°.

vademecum



example of data plate. standard arrangement of symbols.
ejemplo de recuadro técnico. posiciones estándar y símbolos.

a	lighting system name nombre del aparato de iluminación
b	supply rating (Volt). tensión de alimentación.
c	supply frequency (Hertz). frecuencia de alimentación.
d	power supply unit/transformer included or not alimentador/transformador incluidos o no incluidos
e	type of control gear. tipo de alimentador.
f	wiring kit included or excluded capacitor for power factor correction only if indicated kit de cableado incluido o excluido condensador de reajuste de fase incluido sólo si se indica
g	led light source. fuente luminosa led.
h	certification for safety and quality standards aparato aprobado, Marca de Calidad
i	net weight. Kg. peso neto.



l	code. código.
m	colours and finish. color y acabado.
n	lamp socket. conexión de la bombilla.
o	lamp wattage (Watt). potencia de la bombilla (Watt).

components. componentes.	**IK10**

components - includes all items that are essential to the correct operation and installation of the light system
componentes - indica todos los elementos indispensables para la instalación y el buen funcionamiento del cuerpo iluminante.

accessories. accesorios.	**IK10**

accessories - refers to items that can be added to the fitting
accesorios - se refiere a otras partes que pueden instalarse en el cuerpo

kit	**IK10**

kit - refers to the lighting kits available for installation in the body
kit - se refiere a los kit de iluminación que pueden instalarse dentro del cuerpo.

Viabizzuno reserves the right to introduce any change to its own models, without prior notice. Viabizzuno se reserva el derecho de aportar a sus modelos, sin ningún preaviso, cualquier modificación que considere oportuna.

legenda

- opal glass. cristal opalino.
- frosted glass. cristal arenado.
- transparent glass. cristal transparente.
- opal polycarbonate diffuser. policarbonado opalino.
- polycarbonate coextruded. extrusion de policarbonado.
- drive over. apto para tránsito de vehículos.
- L lamp included. all our lighting system led are with lamp included.
  bombilla incluida. todos nuestros cuerpos iluminantes cableados led llevan la fuente luminosa incluida.
- A control gear included. alimentador incluido.
- A control gear not included. alimentador excluido.
- T transformer not included. transformador incluido.
- T transformer not included. transformador excluido.
- K wiring kit. transformador excluido.
- K wiring kit not included. kit de cablaje excluido.
- produced in compliance with showerheads northamerican directives. producto conforme a las normas norteamericanas de duchas.
- produced in compliance with northamerican directives. producto conforme a las normas norteamericanas.
- produced in compliance with lighting northamerican directives. producto conforme a las normas norteamericanas de iluminación.

ECG electronic gears. alimentador electrónico halogenuros.

CCG electromechanic gear. alimentador electromecánico halogenuros.

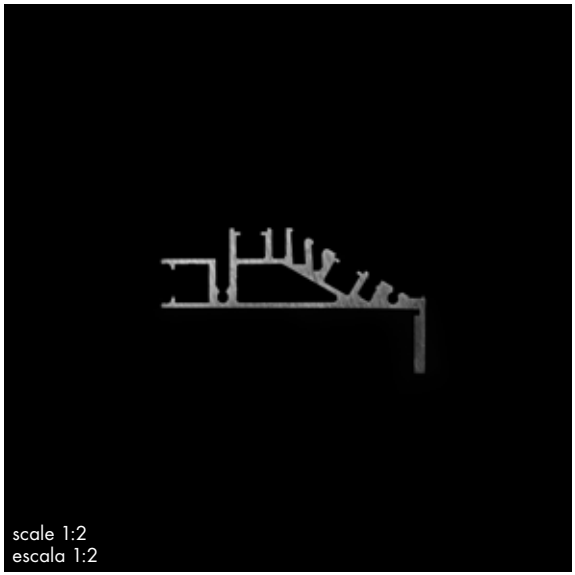
- net weight. Kg. peso neto.

.T trafo 12V spotlight with integral transformer. faro 12V con transformador instalado.

ATTENTION: never look straight at the light source without eye protection
ATENCIÓN: no mirar directamente a la fuente luminosa

installation shots do not necessary refer to northamerica projects
las fotos de instalación no se refieren necesariamente a proyectos realizados en norteamérica

070 system mario nanni 2010



scale 1:2
escala 1:2

aluminium profile conceived as a system which integrates in architecture. it defines spaces, volumes, surfaces, allowing to create ledges, closures, handrails. it is particularly suitable for fixtures on wood surfaces. it is available with black, polished aluminium, white, gold and raw finishes (the last one to be finished as needed) that mount a black carter. the profile can be wired for different light sources: halogen and halide lamps, available in black, white and brown, to create a continuous beamline and systems for the emergency lights. created for different architectural solutions, it does not only suggests new ways to design the space with the light, but also allows to integrate plant and technological systems with formal needs.

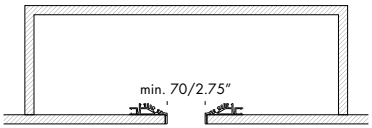
perfil en aluminio concebido como sistema que se integra en la arquitectura. define los espacios, volúmenes, superficies, y permite crear topes, cierres, pasamanos. ideal también para instalaciones en superficies de madera. disponible en los acabados negro, aluminio brillante, blanco, oro y rústico (a terminar como se desee, según las exigencias), siempre montando un cárter de color negro. el perfil puede cablearse con varias fuentes luminosas: lámparas halógenas y de halogenuros, disponibles en los colores negro, blanco y pardo, para crear una línea de luz continua y sistemas para la luz de emergencia. ideado para distintas soluciones arquitectónicas, no solo sugiere nuevos modos de diseñar el espacio con la luz, sino que también permite integrar, conforme a las exigencias formales, los distintos aparejos y sistemas tecnológicos.

patent 1401046

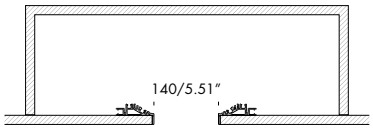
070 system

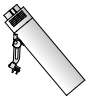
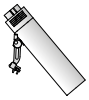
use of kit and accessories for:
systems built into the architecture
uso de kit y accesorios para:
sistemas integrados con la arquitectura

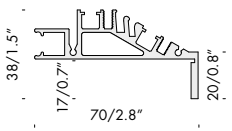
installazione 070 system min. 70mm/2.75″
con architectural cove



installazione 070 system min. 140mm/5.51″
con architectural cove



wiring plate ***placa de cablaje***	**track halo**	**track HID**	**track led**	**track halo**	**track HID**	**track led**
kit halo ***AR111*** G53 75W						
kit halo ***MR16*** GU5,3 50W						
kit sagomatore halo ***MR16*** GU5,3 71W						
kit HID G12 20/39/70W						
kit HID GX8,5 20/39/70W						
kit MR16 HID GX10 20/39W						
kit faretto MR16 led 12W 350mA 17W 500mA						
eco system Vled.x/98 ø80mm / 3.1″ 27,7W 1050mA						
eco system 55 Vled.x/98 ø55mm / 2.2″ 11,6W 350mA						

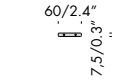


070 system				
F6.070.02	natural aluminium profile perfil aluminio natural	2 pcs 2 uds	500mm 19.7″	1,3
F6.070.02.C	chrome aluminium profile perfil aluminio cromo	2 pcs 2 uds	500mm 19.7″	1,3
F6.070.02.N	black aluminium profile perfil aluminio negro	2 pcs 2 uds	500mm 19.7″	1,3
F6.070.02.O	gold aluminium profile perfil aluminio oro	2 pcs 2 uds	500mm 19.7″	1,3
F6.070.04	natural aluminium profile perfil aluminio natural	2 pcs 2 uds	1000mm 39.4″	2,5
F6.070.04.C	chrome aluminium profile perfil aluminio cromo	2 pcs 2 uds	1000mm 39.4″	2,5
F6.070.04.N	black aluminium profile perfil aluminio negro	2 pcs 2 uds	1000mm 39.4″	2,5
F6.070.04.O	gold aluminium profile perfil aluminio oro	2 pcs 2 uds	1000mm 39.4″	2,5
F6.070.06	natural aluminium profile perfil aluminio natural	2 pcs 2 uds	2000mm 78.7″	5,0
F6.070.06.C	chrome aluminium profile perfil aluminio cromo	2 pcs 2 uds	2000mm 78.7″	5,0
F6.070.06.N	black aluminium profile perfil aluminio negro	2 pcs 2 uds	2000mm 78.7″	5,0
F6.070.06.O	gold aluminium profile perfil aluminio oro	2 pcs 2 uds	2000mm 78.7″	5,0

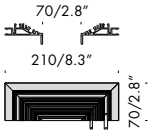
complete with connection joints
juntas de unión suministradas

F6.070.08	natural aluminium profile perfil aluminio natural	2 pcs 2 uds	3000mm 118.1″	7,6
F6.070.08.C	chrome aluminium profile perfil aluminio cromo	2 pcs 2 uds	3000mm 118.1″	7,6
F6.070.08.N	black aluminium profile perfil aluminio negro	2 pcs 2 uds	3000mm 118.1″	7,6
F6.070.08.O	gold aluminium profile perfil aluminio oro	2 pcs 2 uds	3000mm 118.1″	7,6
F6.070.09.1	pallet natural aluminium profile palé de perfiles aluminio natural	100 pcs 100 uds	3000mm 118.1″	412
F6.070.09.C.1	pallet chrome aluminium profile palé de perfiles de aluminio cromo	100 pcs 100 uds	3000mm 118.1″	412
F6.070.09.N.1	pallet black aluminium profile palé de perfiles aluminio negro	100 pcs 100 uds	3000mm 118.1″	412
F6.070.09.O.1	pallet gold aluminium profile palé de perfiles de aluminio oro	100 pcs 100 uds	3000mm 118.1″	412

complete with connection joints. juntas de unión suministradas.



F6.094.47.1	straight joints guniones lineales	200 pcs 200 uds	1,8

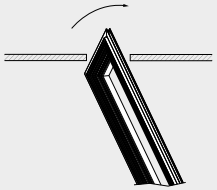


F6.070.22	end plate 70 natural aluminium cabeza 70 aluminio natural	2 pcs 2 uds	0,8
F6.070.22.C	end plate 70 chrome aluminium cabeza 70 aluminio cromo	2 pcs 2 uds	0,8
F6.070.22.N	end plate 70 black aluminium cabeza 70 aluminio negro	2 pcs 2 uds	0,8
F6.070.22.O	end plate 70 gold aluminium cabeza 70 aluminio oro	2 pcs 2 uds	0,8

installation of 070 system on false ceiling already completed
instalación 070 system en falso techo ya terminad

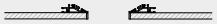
false ceiling completed
falso techo terminado

create recess opening
abrir agujero para empotrar



insert frame into the recess created
meter el marco en el agujero realizado

glue frame onto false ceiling
encolar el marco en el falso techo



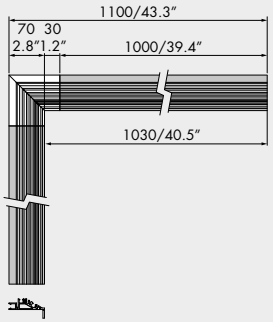
frame installed
marco instalado

install required spotlight kit
instalar el kit de faro deseado

example of elbow fitting use
ejemplo de uso de uniones angulares

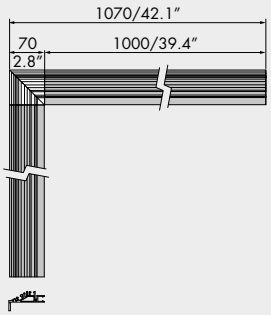
important: if you use the external angular connectors F6.070.26/26.C/26.N/26.O, please consider 30mm/1.2" more than the linear profile you're using
¡atención!: si se utilizan las uniones angulares externas F6.070.26/26.C/26.N/26.O, considerar 30mm/1.2" más con respecto al perfil lineal utilizado

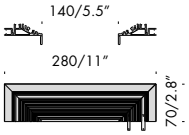
F6.070.26/26.C/26.N/26.O



this is not necessary with internal angular connectors F6.070.25/25.C/25.N/25.O
esto no ocurre con las uniones angulares internas F6.070.25/25.C/25.N/25.O

F6.070.25/25.C/25.N/25.O





F6.070.24	end plate 140 natural aluminium cabeza 140 aluminio natural	2 pcs 2 uds	0,9
F6.070.24.C	end plate 140 chrome aluminium cabeza 140 aluminio cromo	2 pcs 2 uds	0,9
F6.070.24.N	end plate 140 black aluminium cabeza 140 aluminio negro	2 pcs 2 uds	0,9
F6.070.24.O	end plate 140 gold aluminium cabeza 140 aluminio oro	2 pcs 2 uds	0,9

complete with connection joints
juntas de unión suministradas

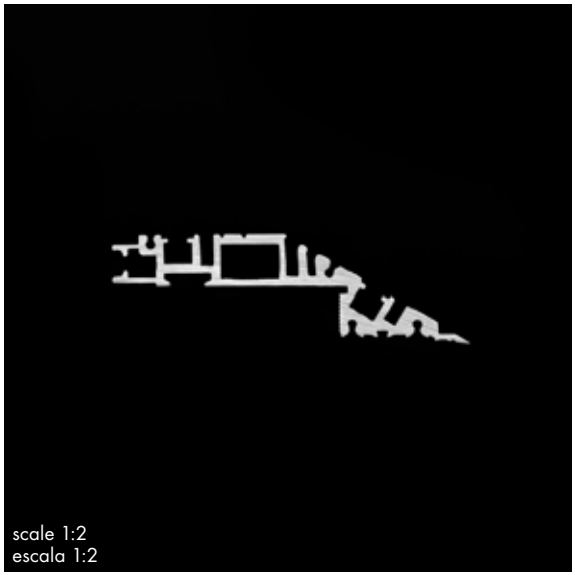
F6.070.25	natural aluminium internal elbow fitting unión angular interna aluminio natural	0,1
F6.070.25.C	chrome aluminium internal elbow fitting unión angular interna aluminio cromo	0,1
F6.070.25.N	black aluminium internal elbow fitting unión angular interna aluminio negro	0,1
F6.070.25.O	gold aluminium internal elbow fitting unión angular interna aluminio oro	0,1

F6.070.26	natural aluminium external elbow fitting unión angular externa aluminio natural	0,1
F6.070.26.C	chrome aluminium external elbow fitting unión angular externa aluminio cromo	0,1
F6.070.26.N	black aluminium external elbow fitting unión angular externa aluminio negro	0,1
F6.070.26.O	gold aluminium external elbow fitting unión angular externa aluminio oro	0,1

complete with connection joints. juntas de unión suministradas.

094 system mario nanni 2003

innovation award batimat 2005 paris
innovation awards batimat 2005 parís



scale 1:2
escala 1:2

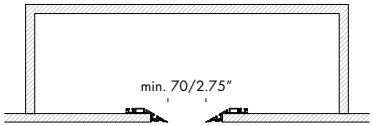
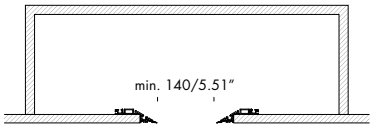
094 system is a system which integrates with architecture. it defines spaces, volumes and surfaces. it can be fitted with different light sources: led, halogen and halide lamps, available in black, white and brown. conceived for different architectural solutions, it suggests not only new ways to design space with light but also gives the possibility to integrate plant engineering and technological systems with formal needs. available in a version that supports plasterboard with thickness of ½" and a version that supports plasterboard with a thickness of 5/8" designed especially for the american market.

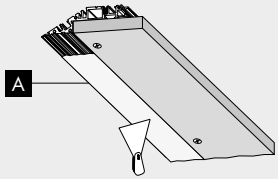
094 es un sistema integrado en la arquitectura. define sus espacios, volúmenes y superficies. puede cablearse con distintas fuentes luminosas: led, halógenas y de halogenuros, disponibles en los colores negro, blanco y pardo. ideado para distintas soluciones arquitectónicas, no solo sugiere nuevos modos de diseñar el espacio con la luz, sino que también permite integrar, conforme a las exigencias formales, los distintos aparejos y sistemas tecnológicos. hay disponible una versión compatible con un cartón yeso de ½" y una versión para cartón yeso de 5/8", estudiada específicamente para el mercado americano.

patent sm-b-200300016

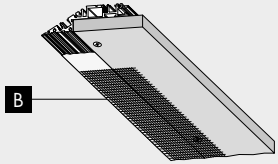
094 system h.15/h.18

use of kit and accessories for:
systems built into the architecture
uso de kit y accesorios para:
sistemas integrados
con la arquitectura

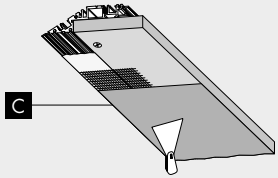
	installazione 094 system h.15/h.18 min. 70/2.75″ con architectural cove			***installazione 094 system h.15/h.18 con architectural cove min. 140/5.51″***		
						
wiring plate ***placa de cablaje***	**track halo**	**track HID**	**track led**	**track halo**	**track HID**	**track led**
kit halo ***AR111*** G53 75W						
kit halo ***MR16*** GU5,3 50W						
kit sagomatore halo ***MR16*** GU5,3 71W						
kit HID G12 20/39/70W						
kit HID GX8,5 20/39/70W						
kit MR16 HID GX10 20/39W						
kit faretto MR16 led 12W 350mA 17W 500mA						
eco system Vled.x/98 ø80mm / 3.1″ 27,7W 1050mA						
eco system 55 Vled.x/98 ø55mm / 2.2″ 11,6W 350mA						



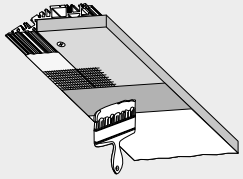
fill the surface A of the profile.
ensure all the grooves are filled.
- enmasillar la superficie A del perfil de modo de obturar todas las ranuras.



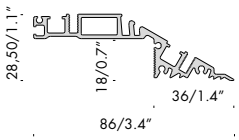
apply the gauze B in the area between the plasterboard and aluminium.
- aplicar la gasa suministrada B en la zona de unión entre cartón yeso y aluminio.



putty again thus obtaining a smooth surface C.
- volver a enmasillar de nuevo de modo de conseguir una superficie C regular.



smooth and paint again.
attention: at the end of the process one surface only on the same level of the plasterboard should be obtained.
- pulir y volver a pintar.
atención: al final de la operación tiene que conseguirse una superficie única y uniforme con el cartónyeso.

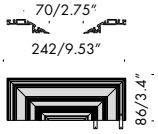


profilo 094 system h.18

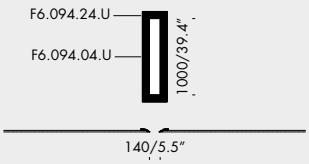
F6.094.02.U	natural aluminium profile perfil aluminio natural	2 pcs 2 uds	500mm 19.7"	1,3
F6.094.02.N.U	black aluminium profile perfil aluminio negro	2 pcs 2 uds	500mm 19.7"	1,3
F6.094.04.U	natural aluminium profile perfil aluminio natural	2 pcs 2 uds	1000mm 39.4"	2,5
F6.094.04.N.U	black aluminium profile perfil aluminio negro	2 pcs 2 uds	1000mm 39.4"	2,5
F6.094.06.U	natural aluminium profile perfil aluminio natural	2 pcs 2 uds	2000mm 78.7"	5,0
F6.094.06.N.U	black aluminium profile perfil aluminio negro	2 pcs 2 uds	2000mm 78.7"	5,0
F6.094.08.U	natural aluminium profile perfil aluminio natural	2 pcs 2 uds	3000mm 118.11"	7,6
F6.094.08.N.U	black aluminium profile perfil aluminio negro	2 pcs 2 uds	3000mm 118.11"	7,6
	complete with connection joints juntas de unión suministradas			

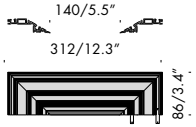
important installation note: for good results when using 12mm/0.47" plasterboard, item F6.094.50 should always be used.
nota de montaje importante: para una buena ejecución de los trabajos en cartón yeso de 12 mm/0.47", se debe utilizar siempre el art. F6.094.50

F6.094.09.U	pallet natural aluminium profile palé de perfiles aluminio natural	100 pcs 100 uds	3000mm 118.11"	412
F6.094.09.N.U	pallet black aluminium profile palé de perfiles aluminio negro	100 pcs 100 uds	3000mm 118.11"	412
	connection joints not included juntas de unión no incluido			
F6.094.47.1	linear joints uniones lineales	200 pcs 200 uds		1,8



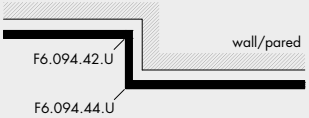
F6.094.22.U	end plate 70 natural aluminium cabeza 70 aluminio natural	2 pcs 2 uds	0,8
F6.094.22.N.U	end plate 70 black aluminium cabeza 70 aluminio negro	2 pcs 2 uds	0,8



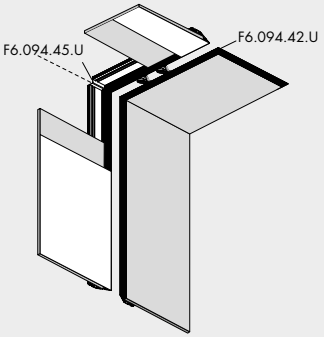


F6.094.24.U	end plate 140 natural aluminium cabeza 140 aluminio natural	2 pcs 2 uds	0,9
F6.094.24.N.U	end plate 140 black aluminium cabeza 140 aluminio negro	2 pcs 2 uds	0,9

F6.094.42.U	natural aluminium internal elbow fitting unión angular interna aluminio natural	0,1
F6.094.42.N.U	black aluminium internal elbow fitting unión angular interna aluminio negro	0,1

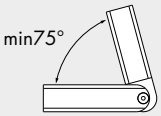


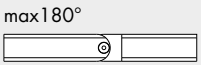
F6.094.44.U	natural aluminium external elbow fitting unión angular externa aluminio natural	0,1
F6.094.44.N.U	black aluminium external elbow fitting unión angular externa aluminio negro	0,1

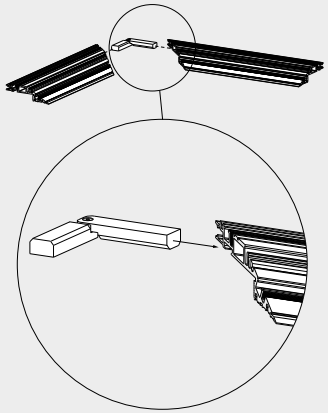


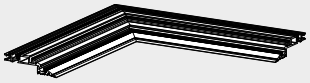
F6.094.45.U	external corner vertical/horizontal conexion angular exterior vertical/horizontal	0,07

use F6.094.49.U example
ejemplo de uso F6.094.49.U



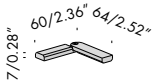




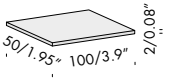


F6.094.46 set juntas lineales
set of linear joint
2 pcs
2 uds
0,02

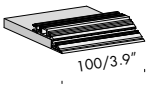
F6.094.48 set of angular joint (interior, exterior)
set juntas angular (interior, exterior)
2 pcs
2 uds
0,02



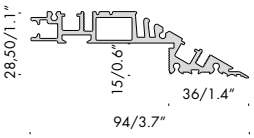
F6.094.49.U articulated angle joint
unión angular articulada
0,02



F6.094.50 tickness balancer
distanciador
20 pcs
20 uds
0,1



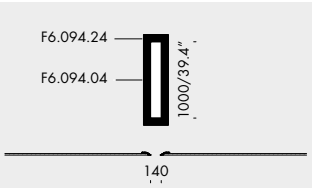
F6.094.00.U sample profile natural aluminium
perfil de muestra aluminio natural
0,3

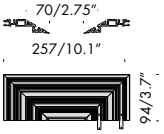


profilo 094 system h.15				
F6.094.02	natural aluminium profile perfil aluminio natural	2 pcs 2 uds	500mm 19.7″	1,3
F6.094.02.N	black aluminium profile perfil aluminio negro	2 pcs 2 uds	500mm 19.7″	1,3
F6.094.04	natural aluminium profile perfil aluminio natural	2 pcs 2 uds	1000mm 39.4″	2,5
F6.094.04.N	black aluminium profile perfil aluminio negro	2 pcs 2 uds	1000mm 39.4″	2,5
F6.094.06	natural aluminium profile perfil aluminio natural	2 pcs 2 uds	2000mm 78.7″	5,0
F6.094.06.N	black aluminium profile perfil aluminio negro	2 pcs 2 uds	2000mm 78.7″	5,0
F6.094.08	natural aluminium profile perfil aluminio natural	2 pcs 2 uds	3000mm 118.11″	7,6
F6.094.08.N	black aluminium profile perfil aluminio negro	2 pcs 2 uds	3000mm 118.11″	7,6
	complete with connection joints juntas de unión suministradas			

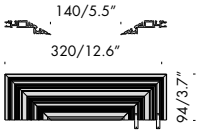
important installation note: for good results when using 12mm/0.47″ plasterboard, item F6.094.50 should always be used.
nota de montaje importante: para una buena ejecución de los trabajos en cartón yeso de 12mm/0.47″, se debe utilizar siempre el art. F6.094.50

F6.094.09	pallet natural aluminium profile palé de perfiles aluminio natural	100 pcs 100 uds	3000mm 118.11″	412
F6.094.09.N	pallet black aluminium profile palé de perfiles aluminio negro	100 pcs 100 uds	3000mm 118.11″	412
	connection joints not included juntas de unión no incluido			
F6.094.47.1	linear joints uniones lineales	200 pcs 200 uds		1,8



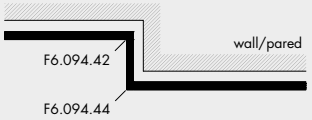


F6.094.22	end plate 70 natural aluminium cabeza 70 aluminio natural	2 pcs 2 uds	0,8
F6.094.22.N	end plate 70 black aluminium cabeza 70 aluminio negro	2 pcs 2 uds	0,8

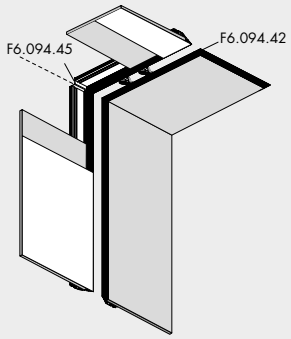


F6.094.24	end plate 140 natural aluminium cabeza 140 aluminio natural	2 pcs 2 uds	0,9
F6.094.24.N	end plate 140 black aluminium cabeza 140 aluminio negro	2 pcs 2 uds	0,9

F6.094.42	natural aluminium internal elbow fitting unión angular interna aluminio natural	0,1
F6.094.42.N	black aluminium internal elbow fitting unión angular interna aluminio negro	0,1



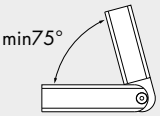
F6.094.44	natural aluminium external elbow fitting unión angular externa aluminio natural	0,1
F6.094.44.N	black aluminium external elbow fitting unión angular externa aluminio negro	0,1



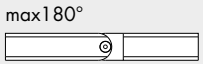
F6.094.45	external corner vertical/horizontal conexion angular exterior vertical/horizontal	0,07

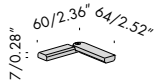
F6.094.46 set juntas lineales / set of linear joint — 2 pcs / 2 uds — 0,02

use F6.094.49 example
ejemplo de uso F6.094.49

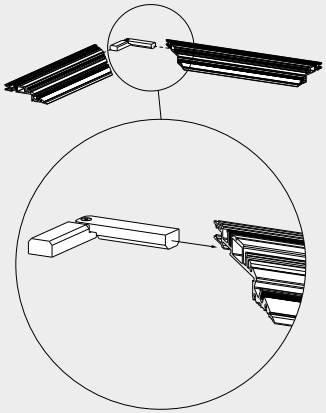


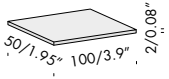
F6.094.48 set of angular joint (interior, exterior) / set juntas angular (interior, exterior) — 2 pcs / 2 uds — 0,02



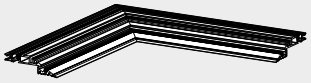


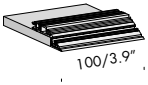
F6.094.49 articulated angle joint / unión angular articulada — 0,02





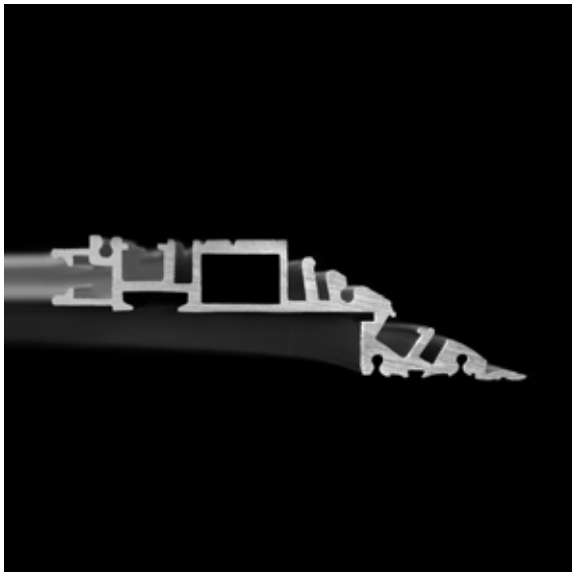
F6.094.50 tickness balancer / distanciador — 20 pcs / 20 uds — 0,1





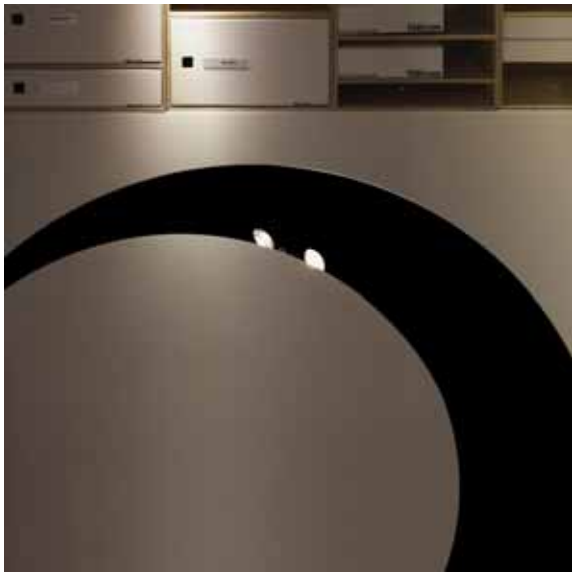
F6.094.00 sample profile natural aluminium / perfil de muestra aluminio natural — 0,3

094 system curvo mario nanni 2010



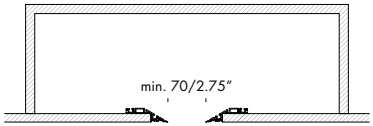
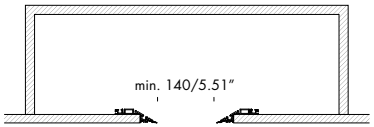
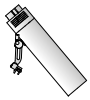
094 is a lighting system integrated into the architecture. it defines spaces, volumes and surfaces. it can be wired for different light sources. the curved version of 094 is made of extruded aluminium with a natural finish or with black anodized finish. it comes in two versions: with internal groove measuring 2.75″ or 5.51″; in both cases there are two types of bends: ¼ circle and semicircle, both with internal diameter of 47.24″. customized semicircles and quarter circles are possible for diameters greater than 47.24″.

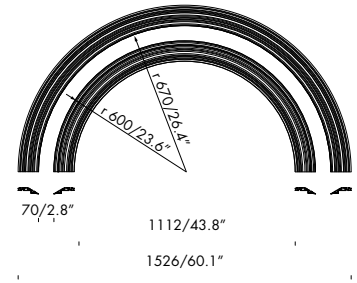
094 es un sistema integrado en la arquitectura. define los espacios, volúmenes y superficies. puede cablearse con distintas fuentes luminosas. la versión curva del 094 está formada por un extruido de aluminio natural o con acabado anodizado negro. se presenta en dos versiones: ranura interna de 2.75″ y ranura interna de 5.51″; en ambas versiones hay dos tipos de curvaturas: ¼ de círculo y semicírculo, ambas con diámetro interno de 47.24″. se han previsto posibilidades de personalización para los semicírculos y cuartos de círculo de diámetros superiores a 47.24″.



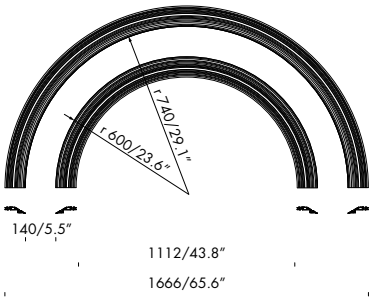
094 system curvo

use of kit and accessories for:
systems built into the architecture
uso de kit y accesorios para:
sistemas integrados
con la arquitectura

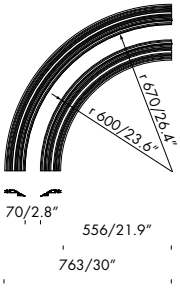
	installazione 094 system curvo min. 70/2.75″ con architectural cove			***installazione 094 system curvo con architectural cove min. 140/5.51″***		
						
wiring plate ***placa de cablaje***	**track halo**	**track HID**	**track led**	**track halo**	**track HID**	**track led**
kit halo ***AR111*** G53 75W						
kit halo ***MR16*** GU5,3 50W						
kit sagomatore halo ***MR16*** GU5,3 71W						
kit HID G12 20/39/70W						
kit HID GX8,5 20/39/70W						
kit MR16 HID GX10 20/39W						
kit faretto MR16 led 12W 350mA 17W 500mA						
eco system Vled.x/98 ø80mm / 3.1″ 27,7W 1050mA						
eco system 55 Vled.x/98 ø55mm / 2.2″ 11,6W 350mA						



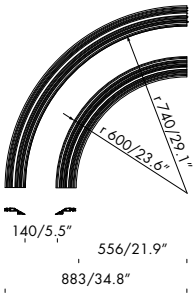
***F6.097.01**	perfiles cemicírculo aluminio natural corte 70 profiles semi-circular natural aluminium cut 70	2 pcs ø1200/1340 2 uds ø47.2"/52.8"	27,0
***F6.097.01.N**	profiles semi-circular black aluminium cut 70 perfiles semicírculo aluminio negro corte 70	2 pcs ø1200/1340 2 uds ø47.2"/52.8"	27,0



***F6.097.02**	profiles semi-circular natural aluminium cut 140 perfiles cemicírculo aluminio natural corte 140	2 pcs ø1200/1480 2 uds ø47.2"/58.3"	27,0
***F6.097.02.N**	profiles semi-circular black aluminium cut 140 perfiles semicírculo aluminio negro corte 140	2 pcs ø1200/1480 2 uds ø47.2"/58.3"	27,0



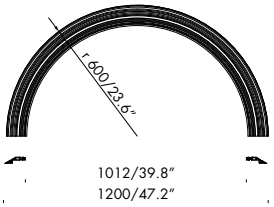
***F6.097.03**	profiles ¼ circle natural aluminium cut 70 perfiles 1/4 de círculo aluminio natural corte 70	2 pcs ø1200/1340 2 uds ø47.2"/52.8"	14,0
***F6.097.03.N**	profiles ¼ circle black aluminium cut 70 perfiles 1/4 de círculo aluminio negro corte 70	2 pcs ø1200/1340 2 uds ø47.2"/52.8"	14,0



***F6.097.04**	profiles ¼ circle natural aluminium cut 140 perfiles 1/4 de círculo aluminio natural corte 140	2 pcs ø1200/1480 2 uds ø47.2"/58.3"	14,0
***F6.097.04.N**	profiles ¼ circle black aluminium cut 140 perfiles 1/4 de círculo aluminio negro corte 140	2 pcs ø1200/1480 2 uds ø47.2"/58.3"	14,0

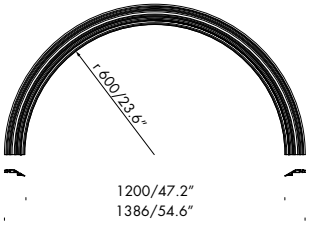
*complete with connection joints
completo de juntos de conexión

094 system curvo			
F6.097.11	profile outside semi-circular natural aluminium perfil exterior cemicículo aluminio natural	ø1200 ø47.2″	14,0
F6.097.11.N	profile outside semi-circular black aluminium perfil exterior cemicículo aluminio negro	ø1200 ø47.2″	14,0



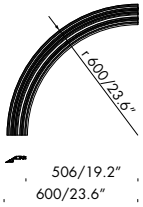
complete with connection joints
completo de juntos de conexión

F6.097.12	profile inside semi-circular natural aluminium perfil interior semicírculo aluminio natural	ø1200 ø47.2″	14,0
F6.097.12.N	profile inside semi-circular black aluminium perfil interior semicírculo aluminio negro	ø1200 ø47.2″	14,0



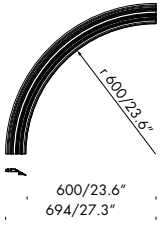
complete with connection joints
completo de juntos de conexión

F6.097.13	profile outside ¼ circle natural aluminium perfil exterior 1/4 de círculo aluminio natural	ø1200 ø47.2″	6,5
F6.097.13.N	profile outside ¼ circle black aluminium perfil exterior 1/4 de círculo aluminio negro	ø1200 ø47.2″	6,5



complete with connection joints
completo de juntos de conexión

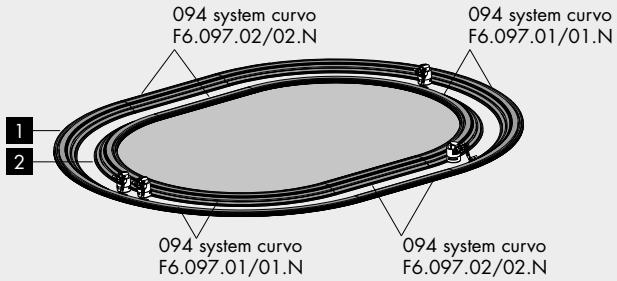
F6.097.14	profile inside ¼ circle natural aluminium perfil interior 1/4 de círculo aluminio natural	ø1200 ø47.2″	6,5
F6.097.14.N	profile inside ¼ circle black aluminium perfil interior 1/4 de círculo aluminio negro	ø1200 ø47.2″	6,5



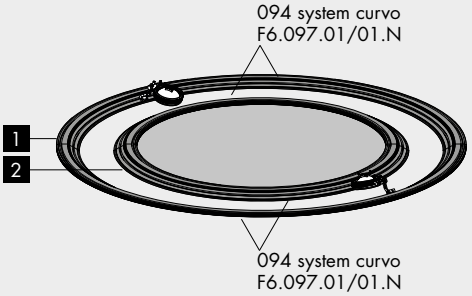
complete with connection joints
completo de juntos de conexión

purpose-made curves can be created on request.
minimum feasible diameter 1200mm/47.2″
bajo pedido pueden realizarse curvaturas personalizadas.
Diámetro mínimo 1200mm/47.2″.

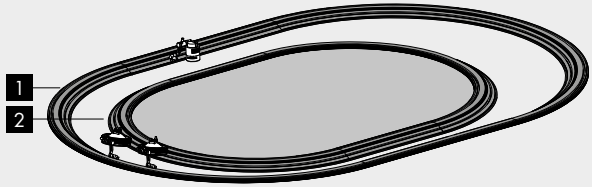
installation example 094 system curvo size 70mm/2.8”
ejemplo de montaje 094 system curvo corte 70mm/2.8”

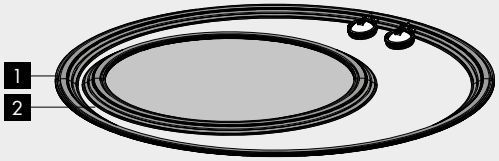


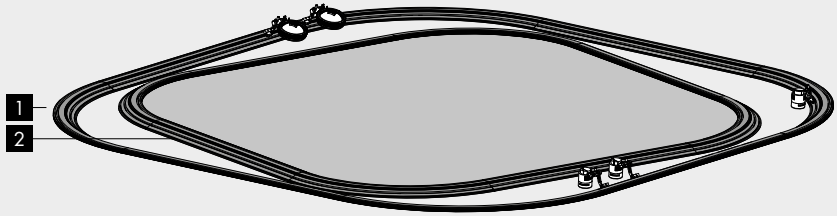
installation example 094 system curvo size 140mm/5.5”
ejemplo de montaje 094 system curvo corte 140mm/5.5”

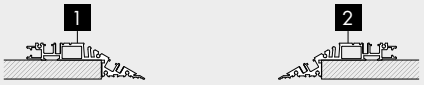


some of the configurations possible using the 094 system curvo
algunas posibles configuraciones utilizando 094 system



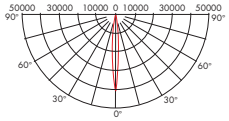


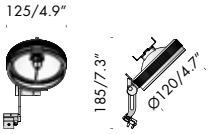




1 094 system curvo, inside curve
094 system curvo, curva interna

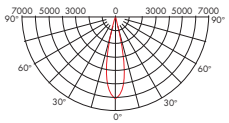
2 094 system curvo, outside curve
094 system curvo, curva externa

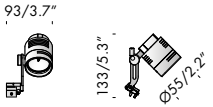




	75W	8°		
h	d1	d2	Em	Emax
1m	0,1	0,1	21648	30147
2m	0,2	0,2	5412	7537
3m	0,4	0,4	2405	3350
4m	0,5	0,5	1353	1884

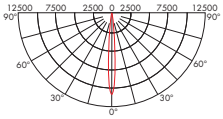
kit faretto halo AR111	**12V**					
F6.095.01.U	halo black halo negro		G53	75W		0,4
F6.095.02.U	halo white halo blanco		G53	75W		0,4
F6.095.03.U	halo brown halo pardo		G53	75W		0,4
	only for 140 casing solo para encofrado 140					



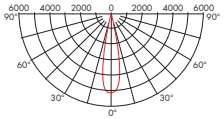


	75W	24°		
h	d1	d2	Em	Emax
1m	0,4	0,4	3959	5300
2m	0,8	0,8	990	1325
3m	1,2	1,2	440	589
4m	1,6	1,6	247	331

kit faretto halo MR16	**12V**					
F6.095.04.U	halo black halo negro		GU5,3	50W		0,4
F6.095.05.U	halo white halo blanco		GU5,3	50W		0,4
F6.095.06.U	halo brown halo pardo		GU5,3	50W		0,4

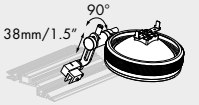


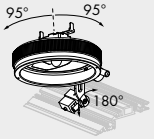
	50W	10°		
h	d1	d2	Em	Emax
1m	0,2	0,2	9901	14001
2m	0,4	0,4	2477	3500
3m	0,5	0,5	1101	1556
4m	0,8	0,8	619	875

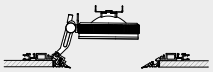


	50W	24°		
h	d1	d2	Em	Emax
1m	0,4	0,4	2975	4400
2m	0,6	0,6	744	1100
3m	1	1	331	489
4m	1,2	1,2	186	275

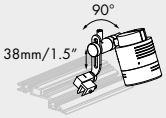
degree of rotation and inclination
kit faretto halo AR111
grado de rotación y orientación
kit faretto halo AR111

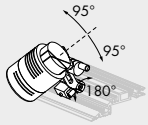


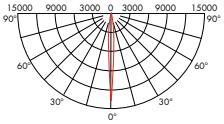




degree of rotation and inclination
kit faretto halo MR16
grado de rotación y orientación
kit faretto halo MR16



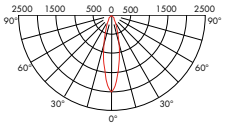




cd/klm
C0-C180 C90-C270

70W 8°

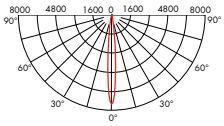
h	d1	d2	Em	Emax
1m	0,2	0,2	55076	87451
2m	0,2	0,2	13769	21862
3m	0,4	0,4	6120	9717
4m	0,4	0,4	3442	5466



cd/klm
C0-C180 C90-C270

70W 40°

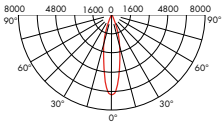
h	d1	d2	Em	Emax
1m	0,4	0,4	8836	13389
2m	0,8	0,8	2209	3347
3m	1,4	1,4	982	1488
4m	1,8	1,8	552	837



cd/klm
C0-C180 C90-C270

70W 10°

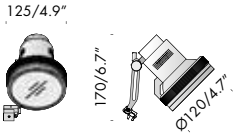
h	d1	d2	Em	Emax
1m	0,2	0,2	35751	49989
2m	0,4	0,4	8936	12497
3m	0,4	0,4	3972	5554
4m	0,6	0,6	2235	3124

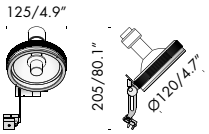


cd/klm
C0-C180 C90-C270

70W 24°

h	d1	d2	Em	Emax
1m	0,4	0,4	10088	14998
2m	0,8	0,8	2522	3750
3m	1,2	1,2	1121	1667
4m	1,6	1,6	631	937





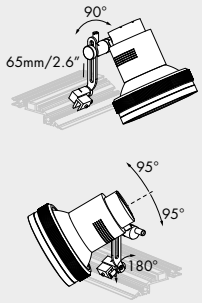
kit faretto HID					
F6.095.09.U	metal halide white halogenuros blanco	G12	20/39/70W 8°	0,79
F6.095.10.U	metal halide black halogenuros negro	G12	20/39/70W 8°	0,79
F6.095.11.U	metal halide brown halogenuros pardo	G12	20/39/70W 8°	0,79
F6.095.12.U	metal halide white halogenuros blanco	G12	20/39/70W 40°	0,79
F6.095.13.U	metal halide black halogenuros negro	G12	20/39/70W 40°	0,79
F6.095.14.U	metal halide black halogenuros negro	G12	20/39/70W 40°	0,79

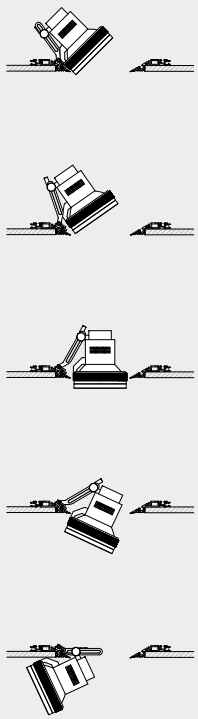
only for 140 casing
solo para encofrado 140

kit faretto HID				
F6.095.15.U	metal halide white halogenuros blanco	GX8,5	20/39/70W	0,47
F6.095.16.U	metal halide black halogenuros negro	GX8,5	20/39/70W	0,47
F6.095.19.U	metal halide brown halogenuros pardo	GX8,5	20/39/70W	0,47

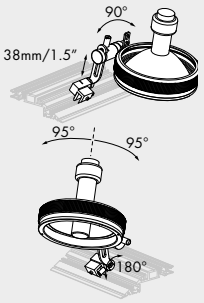
only for 140 casing
solo para encofrado 140

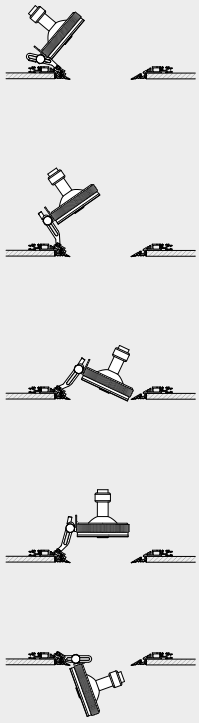
degree of rotation and inclination
kit faretto HID G12
grado de rotación y orientación
kit faretto HID G12

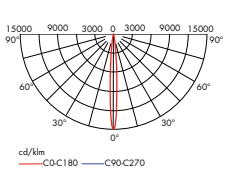




degree of rotation and inclination
kit faretto HID GX8,5
grado de rotación y orientación
kit faretto HID GX8,5

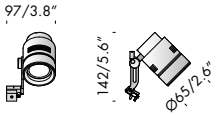


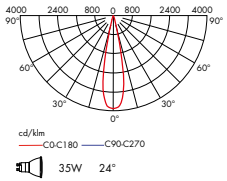




35W 8°

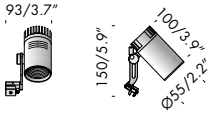
h	d1	d2	Em	Emax
1m	0,2	0,2	34853	48649
2m	0,2	0,2	8713	12162
3m	0,4	0,4	3873	5406
4m	0,6	0,6	2178	3041

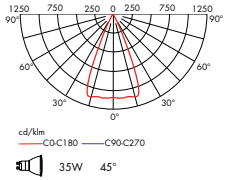




35W 24°

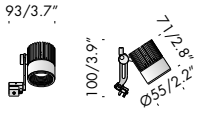
h	d1	d2	Em	Emax
1m	0,4	0,4	9873	12766
2m	0,8	0,8	2468	3191
3m	1,2	1,2	1097	1418
4m	1,6	1,6	617	798

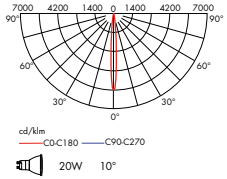




35W 45°

h	d1	d2	Em	Emax
1m	0,9	0,9	1365	3409
2m	1,7	1,7	341	852
3m	1,2	1,2	152	379
4m	3,4	3,4	85	213





20W 10°

h	d1	d2	Em	Emax
1m	0,2	0,2	6993	10022
2m	0,4	0,4	1748	2506
3m	0,6	0,6	777	1114
4m	0,8	0,8	437	626

kit faretto MR16 HID					
F6.095.26.U	white obiettivo metal halide obiettivo halogenuros blanco	GX10	20/39W		0,4
F6.095.27.U	black obiettivo metal halide obiettivo halogenuros negro	GX10	20/39W		0,4
F6.095.28.U	brown obiettivo metal halide obiettivo halogenuros pardo	GX10	20/39W		0,4

kit faretto MR16 led					
F6.095.35.U	black led 2700K negro led 2700K	34°	12W 350mA/17W 500mA		0,4
F6.095.35.W.U	black led 3000K negro led 3000K	34°	12W 350mA/17W 500mA		0,4
F6.095.35.NW.U	black led 4000K negro led 4000K	34°	12W 350mA/17W 500mA		0,4
F6.095.36.U	white led 2700K blanco led 2700K	34°	12W 350mA/17W 500mA		0,4
F6.095.36.W.U	white led 3000K blanco led 3000K	34°	12W 350mA/17W 500mA		0,4
F6.095.36.NW.U	white led 4000K blanco led 4000K	34°	12W 350mA/17W 500mA		0,4

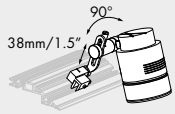
eco system 55 36°					
F6.579.11.U	my bianco Vled.t/98, 3000K				
F6.579.01.U	my nero Vled.t/98, 3000K				

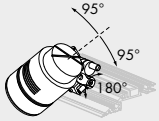
Vled.t/98

K	Ra	R9	macadam selection selección macadam	mA	lm	W	lm/W
3000K	98	98	step 2 up to 9000 h. step 3 from 9000 to 50000 h. step 2 hasta 9000 horas step 3 de 9000 a 50000 horas	350	1100	11,6	95

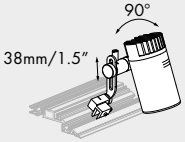
minimum voltage on the secondary/tensión mínima a la salida del alimentador 36V
average life/vita media 50000 h

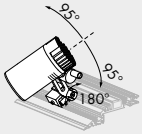
degree of rotation and inclination
kit scarica GX10
grado de rotación y orientación
kit faretto scarica GX10

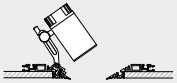




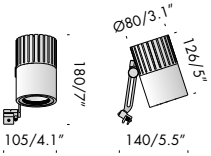
degree of rotation and inclination
kit faretto led
grado de rotación y orientación
kit faretto led

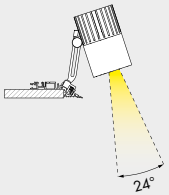






degrees of beam's angle 24°
grados abertura del haz luminoso 24°





eco system 80 24°

F6.030.36.U.1 my bianco
Vled.x/98, 3000Vb K

F6.030.31.U.1 my nero
Vled.x/98, 3000Vb K

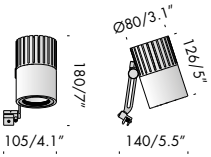
F6.030.41.U.1 brown/pardo
Vled.x/98, 3000Vb K

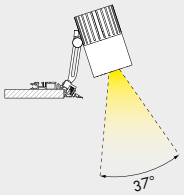
Vled.x/98

K	Ra	R9	macadam selection selección macadan	mA	lm	W	lm/W
3000Vb	98	98	step 1 up to 9000 h.	350	800	8,2	98
			step 2 from 9000 to 50000 h. step 1 hasta 9000 horas	500	1055	11,9	89
				700	1400	17,0	82
			step 2 de 9000 a 50000 horas	1050	2000	26,4	76

minimum voltage on the secondary/tensión mínima a la salida del alimentador 30V
average life/vita media L80/B10/F10 50,000 hrs

degrees of beam's angle 37°
grados abertura del haz luminoso 37°





eco system 80 37°

F6.030.37.U.1 my bianco
Vled.x/98, 3000Vb K

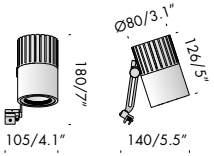
F6.030.32.U.1 my nero
Vled.x/98, 3000Vb K

F6.030.42.U.1 brown/pardo
Vled.x/98, 3000Vb K

Vled.x/98

K	Ra	R9	macadam selection selección macadan	mA	lm	W	lm/W
3000Vb	98	98	step 1 up to 9000 h.	350	800	8,2	98
			step 2 from 9000 to 50000 h. step 1 hasta 9000 horas	500	1055	11,9	89
				700	1400	17,0	82
			step 2 de 9000 a 50000 horas	1050	2000	26,4	76

minimum voltage on the secondary/tensión mínima a la salida del alimentador 30V
average life/vita media L80/B10/F10 50,000 hrs



eco system 80 50°

F6.030.38.U.1 my bianco
Vled.x/98, 3000Vb K

F6.030.33.U.1 my nero
Vled.x/98, 3000Vb K

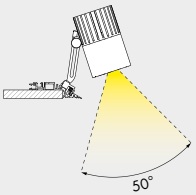
F6.030.43.U.1 brown/pardo
Vled.x/98, 3000Vb K

Vled.x/98

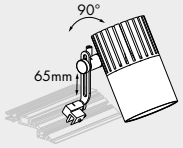
K	Ra	R9	macadam selection selección macadan	mA	lm	W	lm/W
3000Vb	98	98	step 1 up to 9000 h.	350	800	8,2	98
			step 2 from 9000 to 50000 h.	500	1055	11,9	89
			step 1 hasta 9000 horas	700	1400	17,0	82
			step 2 de 9000 a 50000 horas	1050	2000	26,4	76

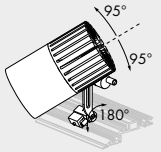
minimum voltage on the secondary/tensión mínima a la salida del alimentador 30V
average life/vita media L80/B10/F10 50,000 hrs

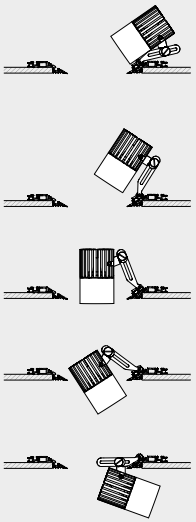
degrees of beam's angle 50°
grados abertura del haz luminoso 50°



degree of rotation and inclination
grado de rotación y orientación







accessories. accesorios.

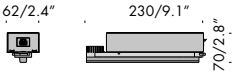
Vb9.030.92 optics 24° Vled.x/98
óptica 24°

Vb9.030.93 optics 37° Vled.x/98
óptica 37°

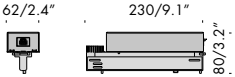
Vb9.030.94 optics 50° Vled.x/98
óptica 50°

accessories. accesorios.

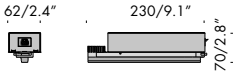
Vb9.580.86 louver honeycomb
rejilla de panal



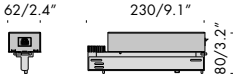
1~track halo power supplies 120V 50-60Hz T			
F9.096.01	white blanco	100W	0,4
F9.096.02	black negro	100W	0,4



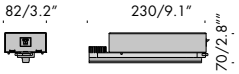
2~track halo power supplies 120V 50-60Hz T			
F9.096.13	white blanco	100W	0,4
F9.096.14	black negro	100W	0,4



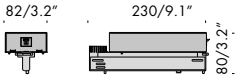
1~track HID power supplies 120V 50-60Hz A			
F9.096.03	white blanco	20W	0,4
F9.096.04	black negro	20W	0,4
F9.096.05	white blanco	39W	0,4
F9.096.06	black negro	39W	0,4
F9.096.07	white blanco	70W	0,4
F9.096.08	black negro	70W	0,4



2~track HID power supplies 120V 50-60Hz A			
F9.096.15	white blanco	20W	0,4
F9.096.16	black negro	20W	0,4
F9.096.17	white blanco	39W	0,4
F9.096.18	black negro	39W	0,4
F9.096.19	white blanco	70W	0,4
F9.096.20	black negro	70W	0,4



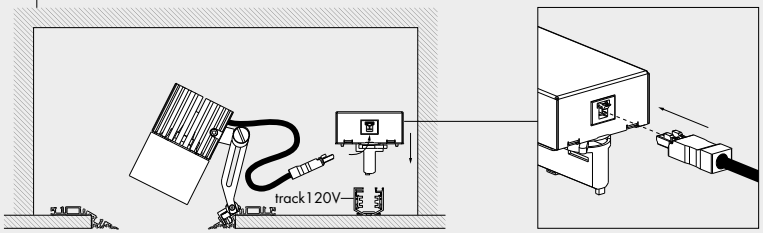
1~track led power supplies 120V 50-60Hz A				
F9.096.09	white blanco	max 17W	350mA	0,4
F9.096.10	black negro	max 17W	350mA	0,4
F9.096.11	white blanco	max 24W	500mA	0,4
F9.096.12	black negro	max 24W	500mA	0,4
F9.096.39	white blanco	max 27W	700mA	0,4
F9.096.40	black negro	max 27W	700mA	0,4
F9.096.35	white blanco	max 40W	1050mA	0,4
F9.096.36	black negro	max 40W	1050mA	0,4

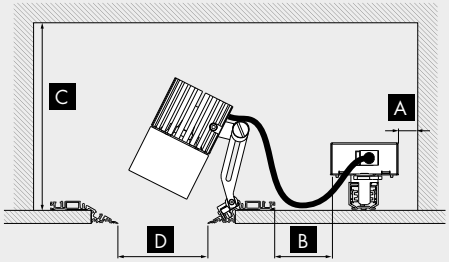


2~track led power supplies **120V 50-60Hz** A				
F9.096.21	white blanco	max 17W	350mA	0,4
F9.096.22	black negro	max 17W	350mA	0,4
F9.096.23	white blanco	max 24W	500mA	0,4
F9.096.24	black negro	max 24W	500mA	0,4
F9.096.41	white blanco	max 27W	700mA	0,4
F9.096.42	black negro	max 27W	700mA	0,4
F9.096.37	white blanco	max 40W	1050mA	0,4
F9.096.38	black negro	max 40W	1050mA	0,4

collegamento elettrico attraverso binario
electrical wiring through track

copertura in metallo, cartongesso o altri materiali da costruzione
cover made by metal, plasterboard or any other architectural material





distanze minime d'installazione
installing minimum distance

A 25mm/1"

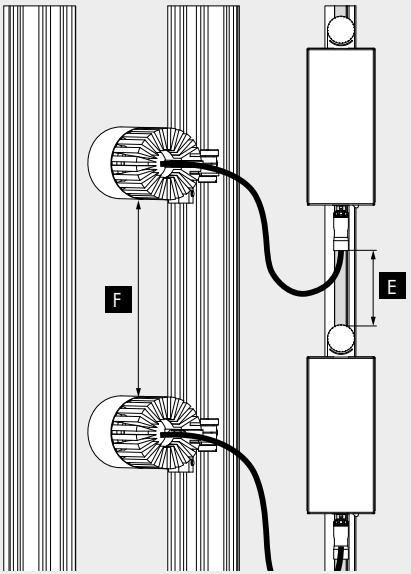
B 100mm/3.9"

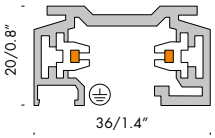
C 100mm/3.9"

D 140mm/5.5"

E 50mm/2"

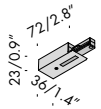
F 250mm/9.8"





binario 1~120V 16A		
FB.235.121	white blanco	48″
FB.235.122	black negro	48″
FB.235.241	white blanco	96″
FB.235.242	black negro	96″
FB.235.361	white blanco	144″
FB.235.362	black negro	144″

accessories. accesorios.



FB.98.518.1 live end ground contact left - white colour
cabesa alimentaciòn izquierda - color blanco

FB.98.518.2 live end ground contact left - black colour
cabesa alimentaciòn izquierda - color negro

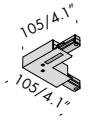
FB.98.519.1 live end ground contact right - white colour
alimentaciòn derecha - color blanco

FB.98.519.2 live end ground contact right - black colour
alimentaciòn derecha - color negro

FB.98.523.1 electrical straight coupler - white colour
unión - color blanco

FB.98.523.2 electrical straight coupler - black colour
unión - color negro

accessories. accesorios.



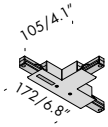
FB.98.526.1 "L " coupler, external grounding - white colour
unión en "L" tierra externa - color blanco

FB.98.526.2 "L " coupler, external grounding - black colour
unión en "L" tierra externa - color negro

FB.98.525.1 "L " coupler, internal grounding - white colour
unión en "L" tierra interna - color blanco

FB.98.525.2 "L " coupler, internal grounding - black colour
unión en "L" tierra interna - color negro

accessories. accesorios.

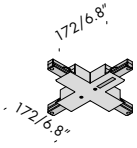


FB.98.530.1 "T " coupler, left grounding - white colour
unión en "T" tierra izquierda - color blanco

FB.98.530.2 "T " coupler, left grounding - black colour
unión en "T" tierra izquierda - color negro

FB.98.529.1 "T " coupler, right grounding - white colour
unión en "T" tierra derecha - color blanco

FB.98.529.2 "T " coupler, right grounding - black colour
unión en "T" tierra derecha - color negro

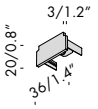


FB.98.533.1 "+" coupler - white colour
union en "+" - color blanco

FB.98.533.2 "+" coupler - black colour
union en "+" - color negro

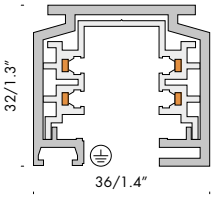
FB.98.539.1 "I" coupler - white colour
union en "I" - color blanco

FB.98.539.2 "I" coupler - black colour
union en "I" - color b

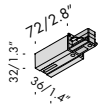


FB.98.522.1 end cap white
terminal de cierre blanco

FB.98.522.2 end cap black
terminal de cierre negro



binario 2~120V 16A		
FB.230.101	white blanco	48″ 1219,2mm
FB.230.102	black negro	48″ 1219,2mm
FB.230.201	white blanco	96″ 2438,4mm
FB.230.202	black negro	96″ 2438,4mm
FB.230.301	white blanco	144″ 3657,6mm
FB.230.302	black negro	144″ 3657,6mm

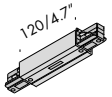


accessories. accesorios.	
FB.99.801.1	live end ground contact left - white colour cabesa alimentaciòn izquierda - color blanco
FB.99.801.2	live end ground contact left - black colour cabesa alimentaciòn izquierda - color negro
FB.99.800.1	live end ground contact right - white colour alimentaciòn derecha - color blanco
FB.99.800.2	live end ground contact right - black colour alimentaciòn derecha - color negro

accessories. accesorios.

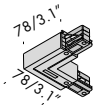
FB.99.889.1 electrical straight coupler - white colour
unión lineal eléctrica - color blanco

FB.99.889.2 electrical straight coupler - black colour
unión lineal eléctrica - color negro



FB.99.805.1 electrical straight coupler - white colour
unión - color blanco

FB.99.805.2 electrical straight coupler - black colour
unión - color negro

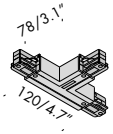


FB.99.808.1 "L " coupler, external grounding - white colour
unión en "L" tierra externa - color blanco

FB.99.808.2 "L " coupler, external grounding - black colour
unión en "L" tierra externa - color negro

FB.99.807.1 "L " coupler, internal grounding - white colour
unión en "L" tierra interna - color blanco

FB.99.807.2 "L " coupler, internal grounding - black colour
unión en "L" tierra interna - color negro

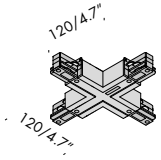


FB.99.812.1 "T " coupler, left grounding - white colour
unión en "T" tierra izquierda - color blanco

FB.99.812.2 "T " coupler, left grounding - black colour
unión en "T" tierra izquierda - color negro

FB.99.811.1 "T " coupler, right grounding - white colour
unión en "T" tierra derecha - color blanco

FB.99.811.2 "T " coupler, right grounding - black colour
unión en "T" tierra derecha - color negro



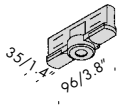
accessories. accesorios.		

FB.99.815.1 "+" coupler - white colour
union en "+" - color blanco

FB.99.815.2 "+" coupler - black colour
union en "+" - color negro

FB.99.900.1 end cap - white colour
tapa de cierre - color blanco

FB.99.900.2 end cap - black colour
tapa de cierre - color negro



FB.99.779.1 multi adapter - white colour
adaptador múltiple - color blanco

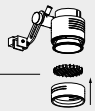
FB.99.779.2 multi adapter - black colour
adaptador múltiple - color negro

kit faretto halo MR16 GU5,3

F6.095.04.U
F6.095.05.U
F6.095.06.U

ejemplo de montaje con rejilla de panal
assembly example with louver honeycomb

F9.001.33



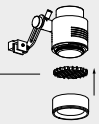
F9.001.57/59

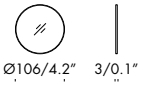
kit faretto halo MR16 GX10

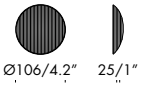
F6.095.26.U
F6.095.27.U
F6.095.28.U

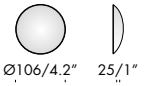
assembly example with louver honeycomb
ejemplo de montaje con rejilla de panal

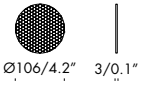
F9.001.40

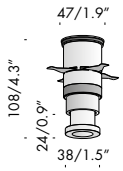


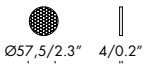












accessories for / accesorios para: kit G53/G12/GX8,5		
F9.001.11	accessory carrier black porta accesorios negro	0,01
F9.001.12	accessory carrier silver porta accesorios plata	0,01
F9.001.21	trasparent uv filter filtro uv transparente	0,08
F9.001.22	frosted uv filter filtro uv arenado	0,08
F9.001.23	ir filter filtro ir	0,08
F9.001.25	elliptical lens lente elìptica	0,1
F9.001.27	diffusing lens lente el difundir	0,1
F9.001.31	honeycomb louvre rejilla de panal	0,007

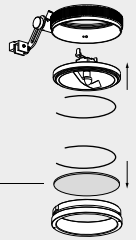
accessories for / accesorios para: kit MR16 GU5,3		
F9.001.33	honeycomb louvre rejilla de panal	0,004
F9.001.57	trasparent ir filter filtro ir trasparente	0,004
F9.001.58	elliptical lens lente elìptica	0,004
F9.001.59	frosted glass cristal arenado	0,004
F9.001.34	framing projector recortador	0,1

accessories for / accesorios para: kit MR16 GX10		
F9.001.40	honeycomb louvre rejilla de panal	0,004

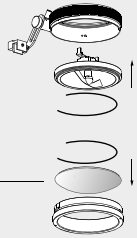
kit faretto AR111 G53

F6.095.01.U
F6.095.02.U
F6.095.03.U

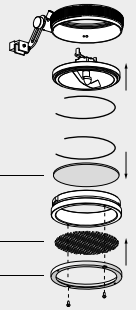
assembly example with filter
ejemplo de montaje con filtro



assembly example with elliptical lens/ diffusing lens
ejemplo de montaje con lente elìptica / lente el difundir



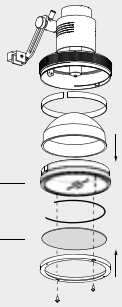
assembly example with 2 accessories
ejemplo de montaje con 2 accesorios



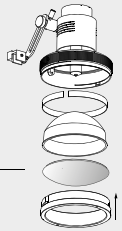
kit faretto scarica HID G12

F6.095.09.U F6.095.12.U
F6.095.10.U F6.095.13.U
F6.095.11.U F6.095.14.U

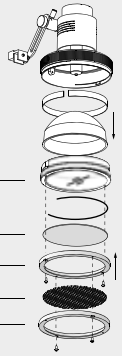
assembly example with filter
ejemplo de montaje con filtro



assembly example with elliptical lens/ diffusing lens
ejemplo de montaje con lente elìptica / lente el difundir



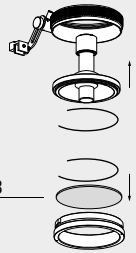
assembly example with 2 accessories
ejemplo de montaje con 2 accesorios



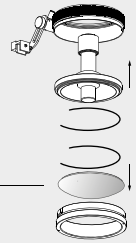
kit faretto scarica HID GX8,5

F6.095.15.U
F6.095.16.U
F6.095.19.U

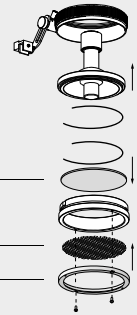
assembly example with filter
ejemplo de montaje con filtro

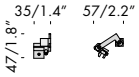


assembly example with elliptical lens/ diffusing lens
ejemplo de montaje con lente elìptica / lente el difundir



assembly example with 2 accessories
ejemplo de montaje con 2 accesorios





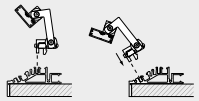
kit for / kit para: c1 fluo, c1 led, c2 fluo, c2 led, c3 led		
F9.094.90	pair of adjustable hooks par de gachos ajustable only for ceiling version. profile c1, c2, c3 be prepared with holes for mounting solo para plafone. perfil c1, c2, c3 preparar con agujeros para el montaje	0,1

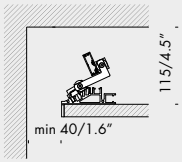
example of installation
ejemplo de montaje

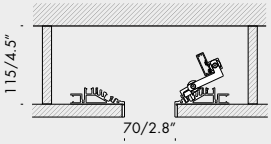
wallwasher installation example
- ejemplo de montaje wallwasher

example of installation over an opening 70mm
- ejemplo de instalación en corte 70mm

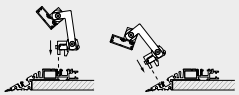
070 system

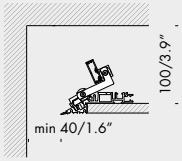


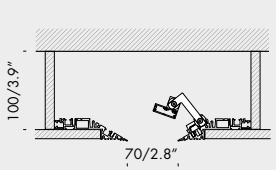




094system







F9.094.90 adjustable hooks can be used with profiles c1, c2, c3
- los ganchos orientables F9.094.90 pueden emplearse con los perfiles c1, c2, c3

c1 fluo

c1 led

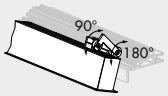
c2 fluo

c2 led

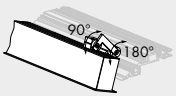
c3 led

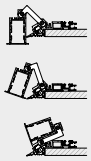
degree of rotation and inclination
kit c1 fluo and c1 led
- grado de rotación y orientación
kit c1 fluo y c1 led

070 system



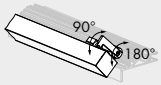
094 system



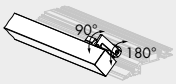


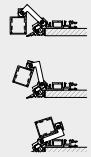
degree of rotation and inclination
kit c2 fluo and c2 led
- grado de rotación y orientación
kit c2 fluo y c2 led

070 system



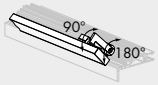
094 system



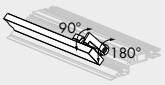


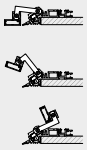
degree of rotation and inclination
kit c3 led
- grado de rotación y orientación
kit c3 led

070 system

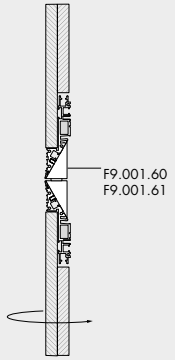


094 system

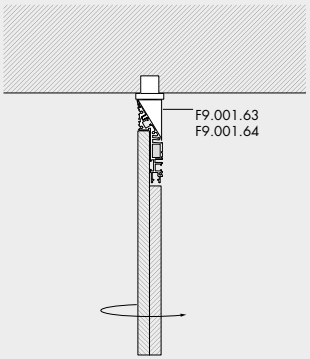




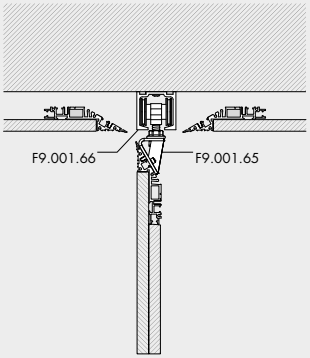
revolving door/type “A” hinge
puerta giratoria/bisagra tipo “A”

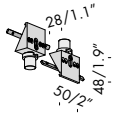


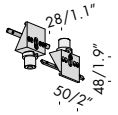
floor/ceiling revolving door
type “B” hinge
puerta giratoria suelo/techo
bisagra tipo “B”

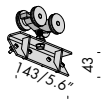


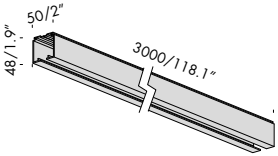
bracket for sliding device
soporte portacorrederas

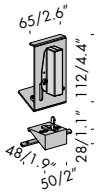












accessories. accesorios.			
F9.001.60	type “A” hinge for door bisagra tipo “A” para puerta	2 pcs 2 uds	0,32
F9.001.61	hinge type “A” for door with hole for feeding cable bisagra tipo “A” para puerta con orificio para alimentación	2 pcs 2 uds	0,30
F9.001.63	hinge type “B” for swivel door bisagra tipo “B” para puerta giratoria	2 pcs 2 uds	0,38
F9.001.64	hinge type “B” for swivel door with hole for feeding cable exit bisagra tipo “B” para puerta giratoria con orificio salida alimentación complete with linear joints uniones lineales includidas	2 pcs 2 uds	0,38
F9.001.62	angular joints uniones angulares	4+4 pcs 4+4 uds	0,06
F9.001.65	bracket for sliding device soporte portacorrederas complete with linear joints +1 sliding device unión lineal includida + 1 corredera		0,61
F9.001.66	silver anodised aluminium track carril aluminio anodizado plata	3000mm 118.1”	6,37
F9.001.67	ratchet push-and-open for door gancho de presion de apertura de la puerta		0,46